

2.15 dBi, UHF Rubber Duck Antenna, 412-480 MHz,
SMA Female Connector, Vertical Polarization



LCANRBD1011

Features

- 412 MHz to 480 MHz, 2.15 dBi Gain
- SMA-Female connector
- Heliflex whip antenna
- Plug and play
- 10W power handling
- VSWR < 3:1
- Vertical polarization

Applications

- PtP or PtMP applications
- Trunking for two-way radio comms
- UHF applications
- Public Safety / Emergency services
- Tetra and P-25 applications exclusively supported
- Land and Private mobile radio (LMR) (PMR)
- Fixed and mobile services

Description

The LCANRBD1011 rubber duck antenna from L-Com is part of our extensive line of directional antennas that we offer with global same-day shipping from our facilities certified to ISO 9001:2015. L-Com's high-quality single-band rubber duck antenna has a 2.15 dBi nominal gain and can be procured with no order limit. This rubber duck single-band 2.15 dBi antenna has a frequency range of 412 MHz to 480 MHz.

We lead the industry in supplying products like this 412 MHz to 480 MHz single-band antenna, along with other RF, microwave, and millimeter wave components. This rubber duck antenna from L-Com uses a SMA connector and has a maximum input power of 10 watts. Use our single-band rubber duck antenna with vertical polarization for fixed and mobile services, public safety or emergency services, trunking for two-way radio communications, land and private mobile radio (LMR) (PMR), PtP or PtMP, tetra, and P-25 applications.

L-Com's rubber duck antenna with 2.15 dBi gain has a SMA-type female connector. This SMA-series female connectorized omnidirectional antenna is 0.5 inches tall, 0.5 inches wide, and 6.29 inches long. The LCANRBD1011 UHF antenna has 360-degrees of horizontal and 80-degrees of vertical HPBW.

L-Com's 50 Ohms impedance antenna can operate at temperatures ranging from -40 °C to 60 °C. This single-band rubber duck antenna is offered with expert technical support, PDF datasheets, and CAD drawings with dimensions and specifications. Order your 2.15 dBi UHF rubber duck antennas now and enjoy our international or domestic same-day shipping.

Configuration

Design	Rubber Duck
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	SMA Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	412		480	MHz
Input VSWR			3:1	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[2.15 dBi, UHF Rubber Duck Antenna, 412-480 MHz, SMA Female Connector, Vertical Polarization LCANRBD1011](#)

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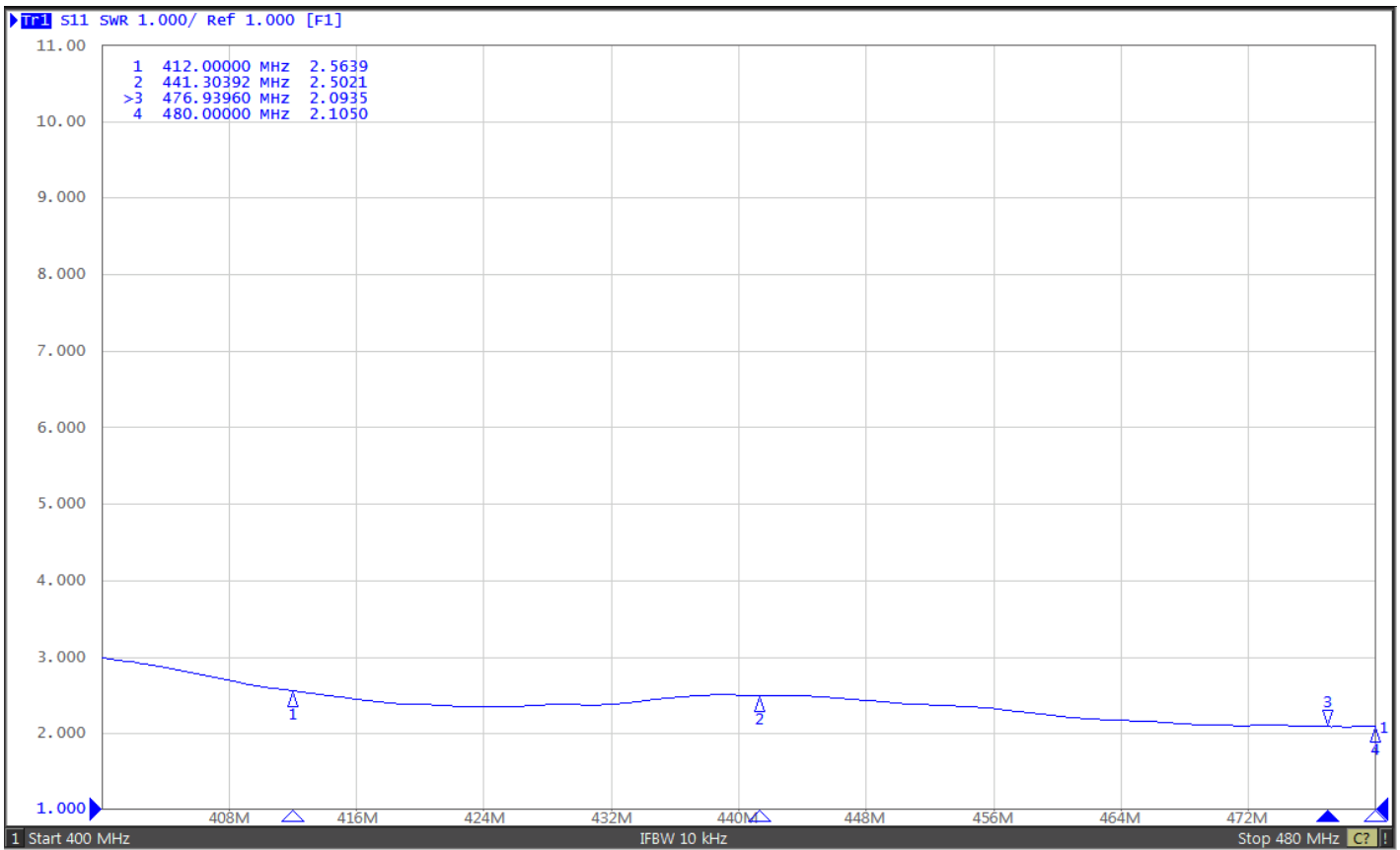
Center Frequency VSWR		1.5:1	
Impedance	50		Ohms
Gain	2.15		dBi
Horizontal (Azimuth) HPBW	Omnidirectional		
Vertical (Elevation) HPBW	80		Degrees
Input Power		10	Watts

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VSWR plot:



Mechanical Specifications

Radome Material	TPEE
Size	
Length	6.29 in [159.77 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.044 lbs [19.96 g]

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Environmental Specifications

Temperature

Operating Range -40 to +60 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

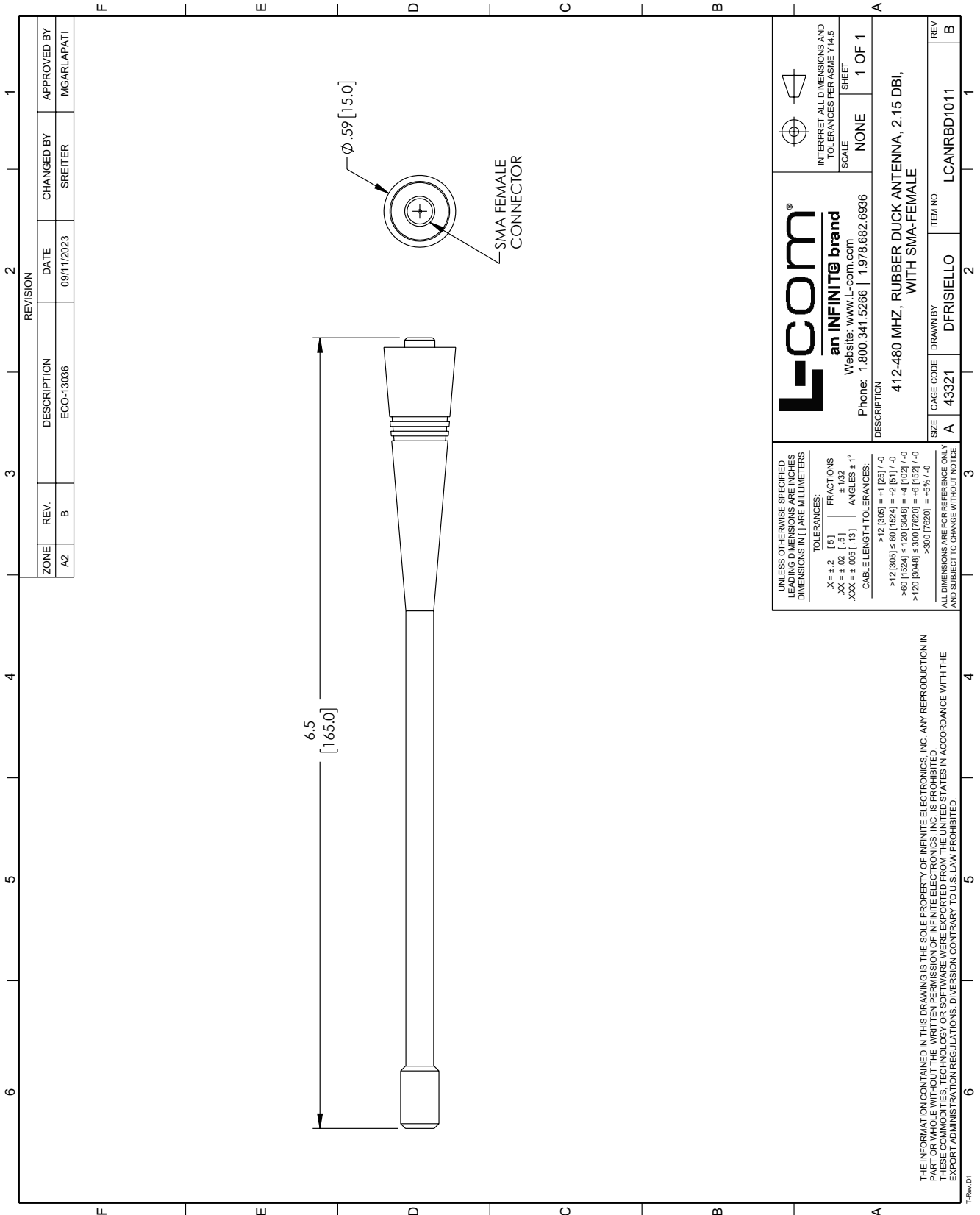
Notes:

2.15 dBi, UHF Rubber Duck Antenna, 412-480 MHz, SMA Female Connector, Vertical Polarization from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing



ZONE		REVISION		APPROVED BY	
A2	B	DESCRIPTION	DATE	CHANGED BY	MGARLAPATI
		ECO-13036	09/11/2023	SREITER	

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES, DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
X = ±.2 [5] FRACTIONS
XX = ±.02 [5] ±.132
XXX = ±.005 [13] ANGLES ±1°

CABLE LENGTH TOLERANCES:
>12 [305] = ±1 [25] / -0
>60 [1524] = ±60 [1524] = ±2 [51] / -0
>120 [3048] = ±120 [3048] = ±4 [102] / -0
>300 [7620] = ±300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

DESCRIPTION: 412-480 MHZ, RUBBER DUCK ANTENNA, 2.15 DBI, WITH SMA-FEMALE

SCALE: NONE SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	43321	DFRISIELLO	LCANRBD1011

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